

Page 1

Db 181 LYPYEQGAPCASCPCDNCDDGLCTNGCKYEDLYSNCKSLKLTCTCKHQLVRDSCASCNC 240

OY 254 SNSIY 258
 Db 241 SNSIY 245

RESULT 2

B33329

Cysteine-rich secretory protein 2 type I precursor - human
 N:Alternate names: testis-specific protein

C:Species: Homo sapiens (man)

C:Date: 09-Mar-1990 #sequence_revision 09-Mar-1990 #text_change 20-Jun-2000

C:Accession: B33329; S66682

R:Kasahara, M.; Gutknecht, J.; Brew, K.; Spurr, N.; Goodfellow, P.N.

Genomics 5, 527-534, 1989

A:Title: Cloning and mapping of a testis-specific gene with sequence similarity to a spe

A:Reference number: A33329; MUID:90129048; PMID:2613236

A:Accession: B33329

A:Status: Preliminary

A:Molecule type: mRNA

A:Residues: 1-243 <KAS>

A:Cross-references: GB:M25532; NID:g339882; PIDN:AAA61220.1; PID:g339883

R:Kraetzschmar, J.; Haendler, B.; Eberspacher, U.; Roosterman, D.; Donner, P.; Schleun

Eur. J. Biochem. 236, 827-836, 1996

A:Title: The human cysteine-rich secretory protein (CRISP) family. Primary structure and

A:Reference number: 568681; MUID:96270732; PMID:8665901

A:Accession: 568682

A:Status: Preliminary

A:Molecule type: mRNA

A:Residues: 1-243 <KRA>

A:Cross-references: EMBL:X95239; NID:g1262816; PIDN:CAA64526.1; PID:g1262817

A:Gene: GDB:TPX1

A:Cross-references: GDB:120760; OMTM:187430

A:Map position: 6p21-qter

C:Superfamily: cysteine-rich secretory protein 1

F:1-20/Domain: signal sequence #status predicted <SIG>

F:1-243/Product: cysteine-rich secretory protein 2 type I #status predicted <MAT>

Query Match

Best Local Similarity 68.8%; Score 988; DB 2; Length 243;

Matches 176; Conservative 25; Mismatches 42; Indels 2; Gaps 2;

OY 14 MTLFVLLFLVAGLLSPFANEDKDPATLTTQTQVOREIVNKHNLRAVSPARM 73

Db 1 MALLPV-LFVLTVLLPLP-EGKDPATLTTQVOREIVNKHNLRAVSPARM 58

OY 74 LKMEWKEAANAOKWANOQNRHSNPKDRMTSLKCGENLYSSAPSSMSOAIOGMPDEY 133

Db 59 LKMEWSREVTNNAQRMWAKCTLOHSDPEDRTSTRGENTLVMSDPTSMSSAIOGMYDEI 118

OY 134 NDFDGVGPKTPNAVVGHTQVWVSSYLVCGNAYCPNOKLYKYVCQYCPAGNMNR 193

Db 119 LDFYGVGPKPNAVVGHTQVWVSSYLVCGNAYCPNOKLYKYVCQYCPAGNMNR 178

OY 194 LVPYEGAPCASPDCPDNDGLCTNGCKYEDLYSNCKSLKTLTKCKHQLVNDSCASCNC 253

Db 179 KNTPYOQCTPCAGCPDDCKGLCTNSCOYDOLLNSCDLSKNTAGCEHLEKCKATCLC 238

OY 254 SNSIY 258

Db 239 ENKIY 243

RESULT 3

JE0204

testicular protein Tpx-1 - rat

C:Species: Rattus norvegicus (Norway rat)

C:Date: 21-Aug-1998 #sequence_revision 21-Aug-1998 #text_change 21-Jul-2000

C:Accession: JE0204

R:Meda, T.; Sakashita, M.; Ohba, Y.; Nakaniishi, Y.

Biochem. Biophys. Res. Commun. 248, 140-146, 1998

A:Title: Molecular cloning of the rat tpx-1 responsible for the interaction between spe

A:Reference number: JE0204; MUID:98340864; PMID:9675100

A:Accession: JE0204
 A:Molecule type: mRNA
 A:Residues: 1-243 <MAE>
 A:Cross-references: DBJ:AB009662; NID:g3374579; PIDN:BA332029.1; PID:g3374580
 C:Comment: This protein functions as a cell adhesion protein for the association bet

A:Map position: 17
 C:Superfamily: cysteine-rich secretory protein 1

Query Match 59.3%; Score 852; DB 2; Length 243;

Best Local Similarity 61.6%; Pred. No. 5.8e-61;

Matches 151; Conservative 31; Mismatches 61; Indels 2; Gaps 2;

OY 14 MTLFVLLFLVAGLLSPFANEDKDPATLTTQTQVOREIVNKHNLRAVSPARM 73

Db 1 MAMFQVMEFVAVLLP-LPTEGKDPATLTTQVOREIVNKHNLRAVSPARM 59

OY 74 LKMEWKEAANAOKWANOQNRHSNPKDRMTSLKCGENLYSSAPSSMSOAIOGMPDEY 133

Db 60 LKMEWVQAAANAOKWANNCLIEHSTEDRKINICGENLYNSTPTSMRTVIOGMYEEN 119

OY 134 NDFDGVGPKTPNAVVGHTQVWVSSYLVCGNAYCPNOKLYKYVCQYCPAGNMNR 193

Db 120 ENFYGVGAK-PNSAVGHTQVWVSSFYKVGCGVAYCPNODLTKFYCHYCPMGNNYMK 178

OY 194 LVPYEGAPCASPDCPDNDGLCTNGCKYEDLYSNCKSLKTLTKCKHQLVNDSCASCNC 253

Db 179 KSTPYOQCTPCASCPNDCDGLCTNSCDFEDLLNSCESLSAGCKHLEKCKATCLC 238

OY 254 SNSIY 258

Db 239 EDKIH 243

RESULT 4

A33329

testis-specific protein - mouse

C:Species: Mus musculus (house mouse)

C:Date: 09-Mar-1990 #sequence_revision 09-Mar-1990 #text_change 29-Sep-1999

C:Accession: A33329

R:Kasahara, M.; Gutknecht, J.; Brew, K.; Spurr, N.; Goodfellow, P.N.

Genomics 5, 527-534, 1989

A:Title: Cloning and mapping of a testis-specific gene with sequence similarity to a

A:Reference number: A33329; MUID:90129048; PMID:2613236

A:Accession: A33329

A:Status: Preliminary

A:Molecule type: mRNA

A:Residues: 1-243 <KAS>

A:Cross-references: GB:M25533; NID:g202126; PIDN:AAA40472.1; PID:g202127

C:Superfamily: cysteine-rich secretory protein 1

Query Match

Best Local Similarity 59.6%; Score 830; DB 2; Length 243;

Matches 146; Conservative 39; Mismatches 56; Indels 2; Gaps 2;

OY 14 MTLFVLLFLVAGLLSPFANEDKDPATLTTQTQVOREIVNKHNLRAVSPARM 73

Db 1 MAMFQVMEFVAVLLP-LPTEGKDPATLTTQVOREIVNKHNLRAVSPARM 59

OY 74 LKMEWKEAANAOKWANOQNRHSNPKDRMTSLKCGENLYSSAPSSMSOAIOGMPDEY 133

Db 60 LKMEWSIQATTNNAQRMWAKCTLEHSSKDRKINICGENLYNSTPTSMRTVIOGMYEEN 119

OY 134 NDFDGVGPKTPNAVVGHTQVWVSSYLVCGNAYCPNOKLYKYVCQYCPAGNMNR 193

Db 120 EDFYGVGAK-PNSAVGHTQVWVSSFKICGAYCPNODLTKFYCHYCPMGNNYMK 178

OY 194 LVPYEGAPCASPDCPDNDGLCTNGCKYEDLYSNCKSLKTLTKCKHQLVNDSCASCNC 253

Db 179 KSTPYOQCTPCASCPNDCDGLCTNSCDFEDLLNSCESLSAGCKHLEKCKATCLC 238

OY 254 SNSIY 258

Db 239 ENKIY 243

Db 239 EDKIH 243

RESULT 5

A49202

Cysteine-rich secretory protein-1 - mouse

N:Alternate names: CRISP-1

C:Species: Mus musculus (house mouse)

C:Date: 19-Dec-1993 #sequence_revision 18-Nov-1994 #text_change 29-Sep-1999

C:Accession: A49202

R:Haendler, B.; Kitzschmar, J.; Theuring, F.; Schleuning, W.D.

Endocrinology 133, 192-198, 1993

A:Title: Transcripts for cysteine-rich secretory protein-1 (CRISP-1; DE/REG) and the nov

A:Reference number: A49202; MUID:93307144; PMID:8319566

A:Accession: A49202

A:Status: preliminary

A:Molecule type: nucleic acid

A:Residues: 1-244 <HA>

A:Cross-references: GB:I05559; NID:9309190; PIDN:AAA37460.1; PID:9309191

A:Experimental source: NMRI, epididymis, salivary gland

A:Note: sequence extracted from NCBI backbone (NCBIN:134675, NCBI:134676)

C:Superfamily: cysteine-rich secretory protein 1

Query Match

Best Local Similarity 53.4%; Score 766.5; DB 2; Length 244;

Matches 135; Conservative 39; Mismatches 70; Indels 1; Gaps 1;

Db 14 MTLFVLLFLVAGLPSF--PANEDKDPFTALLTTQTQVOREIVNKHNELRRAVSPARRN 73

Db 1 MALMLVLFLLAALVLPSSLQDSSQENRLEKLTSTKMSVQOEIYSKHQRLRRMSPGSD 60

Db 74 LKHEMKKEAANAOKANOCNRYHSNPKDMTSLKCGENLYMSAPSSWSQAIOQSPDEX 133

Db 61 LKHEMNYDAQVNAQOARDCTFSHPIELRTTNLRCGENLFMSSTYLASWSAIOGMWNEY 120

Db 134 NDFDFGVGPKTPNAVVGHTQVWVSSYLVCAGNAYCPNOKVLYKYVVCOTCPAGNMA 193

Db 121 KDLTFVGVGPKTPNAVVGHTQVWVSSYLVCAGNAYCPNOKVLYKYVVCOTCPAGNMA 179

Db 194 LVPYFVGAPCASCPCPDNDGDLCTNGCKYEDLYSNCKSLKLTLCCKHQLVRSCKASC 253

Db 180 LTPYFVGAPCASCPCPDNDGDLCTNGCKYEDLYSNCKSLKLTLCCKHQLVRSCKASC 239

Db 254 SNSIY 258

Db 240 ECKIH 244

Db 240 ECKIH 244

Db 240 ECKIH 244

Db 240 ECKIH 244

Db 240 ECKIH 244

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C:Keywords: glycoprotein; sperm
F:1-19/Domain: signal sequence #status predicted <SIG>
F:20-246/Product: acidic epididymal glycoprotein #status predicted <MAT>

Query Match

Best Local Similarity 52.6%; Score 755.5; DB 2; Length 246;

Matches 136; Conservative 35; Mismatches 73; Indels 3; Gaps 2;

Db 14 MTLFVLLFLVAGLPSF--PANEDKDPFTALLTTQTQVOREIVNKHNELRRAVSPARR 71

Db 1 MALMLVLFLLAALVLPSSLQDSSQENRLEKLTSTKMSVQOEIYSKHQRLRRMSPGSD 60

Db 72 NMLKMEKKEAANAOKANOCNRYHSNPKDMTSLKCGENLYMSAPSSWSQAIOQSPDEX 131

Db 61 LKHEMNYDAQVNAQOARDCTFSHPIELRTTNLRCGENLFMSSTYLASWSAIOGMWNEY 120

Db 132 EYNDPFGVGPPTNAVVGHTQVWVSSYLVCAGNAYCPNOKVLYKYVVCOTCPAGNMA 191

Db 121 ESDLFVGFVGPPTNAVVGHTQVWVSSYLVCAGNAYCPNOKVLYKYVVCOTCPAGNMA 179

Db 192 NRIYFVGAPCASCPCPDNDGDLCTNGCKYEDLYSNCKSLKLTLCCKHQLVRSCKASC 251

Db 180 GRLYFVGAPCASCPCPDNDGDLCTNGCKYEDLYSNCKSLKLTLCCKHQLVRSCKASC 239

Db 252 NCSNIY 258

Db 240 FCEKIH 246

Db 240 FCEKIH 246

Db 240 FCEKIH 246

Db 240 FCEKIH 246

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[illegible]

A:Cross-references: GDB:683195
C:Superfamily: yellowjacket venom allergen antigen 5
C:Keywords: brain

Query Match 22.5%; Score 322.5; DB 2; Length 219;
Best Local Similarity 36.5%; Pred. No. 1.2e-18;
Matches 77; Conservative 30; Mismatches 63; Indels 41; Gaps 11;

OY 25 AGLLSPANEDKDPFTALLTTQTQVOREIYNKHNELRAVSPPARMLKMEKNKAANA 84
DB 12 ANILPDI-ENED-----FIKDCVRIHKKFSEVKPTASDMLTMTWDPALAQ 56
OY 65 NQKNAQNCNRYHS---NPKDM-----TSLKGCENLYMSAP--SSMSQAIOSEMPDEYNDF 136
DB 57 IAKAASNCQFSNTRLPKPHLPNETSL--GENITWGSVPFISVSAITMYDEIDY 114
OY 137 DFGVGPRTPNNAVGHYTOVWVSYLVGCGNAYCPNQKVLKY-----YVVCQYCPAGN 189
DB 115 NFKT--RICKKVCGHYTOVWVADSYKVCAGVQFCP--KVSQFDALSNAGHFIQNGPGCN 170
OY 190 WANRLVPEEGAPCACPDPN--CDDGLCTN 218
DB 171 YPT---WPKRGATCSACPNDKCDLNCVN 198

RESULT 12
G44583
venom allergen antigen Vesp c 5.01 - European hornet
C:Species: Vespia crabro (European hornet)
C:Date: 27-Jun-1994 #sequence_revision 27-Jun-1994 #text_change 11-Jan-2000
C:Accession: G44583; G44522
R:Hoffman, D.R.
J. Allergy Clin. Immunol. 92, 707-716, 1993
A:Title: Allergens in hymenoptera venom XXV: the amino acid sequences of antigen 5 molec
A:Reference number: A44583; MUID:94044316; PMID:8227862
A:Accession: G44583
A:Status: preliminary
A:Molecule type: protein
A:Residues: 1-202 <HOF>
C:Superfamily: yellowjacket venom allergen antigen 5

Query Match 18.7%; Score 269; DB 2; Length 202;
Best Local Similarity 37.2%; Pred. No. 2.1e-14;
Matches 61; Conservative 23; Mismatches 60; Indels 20; Gaps 5;

OY 45 LTTQTQVOREIYNKHNELRAVS-----PPARMLKMEKNKAANAQKMANO 92
DB 36 LTKQENL--EILKQHNELFQKVARGLFTRGNPGPPAKSMNTLVNDELQIAQVMAQO 93
OY 93 CNVRRSNPKDRMTSLKGCENLYMSAPS-----SSMSQAIOSEMPDEYNDFGVGPKTPNAV 148
DB 94 CNYGHDNCN-SAKYSVGNIAEGSTTADNFGSVSNMKMEDEVKDYOG--SPKKNLKN 151

OY 149 VGHYTOVWVSYLVGCGNAYCPNQKVLKYVVCQYCPAGNMAN 192
DB 152 VGHYTOVWVAKTKETICGSIKYEINGMHRHYLVLCNVPAGNVGN 195

RESULT 13
H44583
venom allergen antigen Vesp c 5.02 - European hornet
C:Species: Vespia crabro (European hornet)
C:Date: 27-Jun-1994 #sequence_revision 27-Jun-1994 #text_change 11-Jan-2000
C:Accession: H44583; H44522
R:Hoffman, D.R.
J. Allergy Clin. Immunol. 92, 707-716, 1993
A:Title: Allergens in hymenoptera venom XXV: the amino acid sequences of antigen 5 molec
A:Reference number: A44583; MUID:94044316; PMID:8227862
A:Accession: H44583
A:Status: preliminary
A:Molecule type: protein
A:Residues: 1-202 <HOF>
C:Superfamily: yellowjacket venom allergen antigen 5

Query Match 18.5%; Score 265; DB 2; Length 202;
Best Local Similarity 36.6%; Pred. No. 4.4e-14;
Matches 60; Conservative 24; Mismatches 60; Indels 20; Gaps 5;

OY 45 LTTQTQVOREIYNKHNELRAVS-----PPARMLKMEKNKAANAQKMANO 92
DB 36 LTKQENL--EILKQHNELFQKVARGLFTRGNPGPPAKSMNTLVNDELQIAQVMAQO 93
OY 93 CNVRRSNPKDRMTSLKGCENLYMSAPS-----SSMSQAIOSEMPDEYNDFGVGPKTPNAV 148
DB 94 CNYGHDNCN-SAKYSVGNIAEGSTTADNFGSVSNMKMEDEVKDYOG--SPKKNLKN 151
OY 149 VGHYTOVWVSYLVGCGNAYCPNQKVLKYVVCQYCPAGNMAN 192
DB 152 VGHYTOVWVAKTKETICGSEDIYEDGMHRHYLVLCNVPAGNVGN 195

RESULT 14
A31085
antigen 5-2 precursor - bald-faced hornet
C:Species: Vespula maculata (bald-faced hornet)
C:Date: 31-Mar-1990 #sequence_revision 31-Mar-1990 #text_change 11-Jan-2000
C:Accession: A31085
R:Fang, K.S.Y.; Vitale, M.; Fehner, P.; King, T.P.
Proc. Natl. Acad. Sci. U.S.A. 85, 895-899, 1988
A:Title: cDNA cloning and primary structure of a white-face hornet venom allergen, a
A:Reference number: A94213; MUID:88124947; PMID:3422469
A:Accession: A31085
A:Molecule type: mRNA
A:Residues: 1-227 <FAN>
A:Cross-references: GB:J03601; NID:9156714; PID:9156715
C:Superfamily: yellowjacket venom allergen antigen 5
F:1-23/Domain: signal sequence #status predicted <SIG>
F:24-227/Product: antigen 5-2 #status predicted <MAT>

Query Match 18.0%; Score 259; DB 2; Length 227;
Best Local Similarity 34.6%; Pred. No. 1.5e-13;
Matches 55; Conservative 31; Mismatches 55; Indels 18; Gaps 4;

OY 52 QREIYNKHNELRAVS-----PPARMLKMEKNKAANAQKMANO 99
DB 64 KNEILRHNDFFQNVAKGLETRGKPGPPAKSMNTLVNDELQIAQVMAQO 123
OY 100 PDRMTSLKGCENLYMSAPSSW-----SSMSQAIOSEMPDEYNDFGVGPKTPN-AVGHYTO 154
DB 124 CRN-TAKYVGONIAISSTTATQFDRPRLIKQMEDEVTEFNKYVGLQNSNFKVGHYTO 182
OY 155 VWVSYLVGCGNAYCPNQKVLKYVVCQYCPAGNMAN 193
DB 183 MWVWKTKEIGCGSIKYEIDMWTYHYLVLCNVPAGNVGN 221

RESULT 15
B58853
venom allergen Sol r 3 - black imported fire ant
C:Species: Solenopsis richteri (black imported fire ant)
C:Date: 06-Nov-1998 #sequence_revision 06-Nov-1998 #text_change 11-Jan-2000
C:Accession: B58853
R:Hoffman, D.R.
J. Allergy Clin. Immunol. 100, 679-683, 1997
A:Title: Reactions to less common species of fire ants.
A:Reference number: A58853; MUID:98049167; PMID:9389299
A:Accession: B58853
A:Status: preliminary
A:Molecule type: protein
A:Residues: 1-211 <HOF>
C:Superfamily: yellowjacket venom allergen antigen 5
C:Keywords: venom

Query Match 17.9%; Score 257.5; DB 2; Length 211;
Best Local Similarity 36.2%; Pred. No. 1.8e-13;
Matches 59; Conservative 24; Mismatches 57; Indels 23; Gaps 6;

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OY 49 TOVORE-IVNKHNEI BRAVS-----PPARNMLKMEMNKEAANAKMANOCNY 95
Db 39 TDAEKDAIVNKHNEI RORVYASGKEKRGNGTNGPQPPAVKMPNLTWDELTIAQRMANOCTF 98
OY 96 RHNPKDPMSTLKCENLYMSSA---PSSNSQAIOFWDEYNDED---FGVGPRTPNAY 148
Db 99 EHDACRN-VERFAVGONIAATSSSGKNKSTLSDMILMYNEVKDFDNRMWISSFSDGNIL 157
OY 149 --VGHYTOVVWYSSYLVCGNAYCPNOKVLKYYVCOYCPAGN 189
Db 158 MHVGHYTOIYMAKTKKICCGRIMFEKEDWKNKHLYLCNYCPAGN 200

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Search completed: March 14, 2003, 05:41:32
 Job time : 29.9551 secs